

**ISO/IEC 24734 Printing Productivity Report: Office Category**

**Full Detailed Test Report - LETTER**

Hewlett-Packard LaserJet Pro M1536DNF MFP

| Printing device and settings |   |
|------------------------------|---|
| Test Start Date and Time     | 1/5/2011 9:24                             |
| Tester                       | MC  |
| Machine name/model           | Hewlett-Packard LaserJet Pro M1536DNF MFP |
| Colour or B&W                | B&W                                       |
| FW Version                   | 20100419                                  |
| Temperature and Humidity     | 74 degF / 23 degC 11.92 %rH               |
| Voltage                      | 110V                                      |
| Test End Date and Time       | 2/25/2016 3:02                            |

| Item                    | Value                   |   |
|-------------------------|-------------------------|---|
| <b>Mode and Setting</b> | Driver Version          | 61.101.9.7062                           |
|                         | Media/Quality Setting   | Default / Default                       |
|                         | Simplex B&W Settings    | Default                                 |
|                         | Duplex B&W Settings     | N/A                                     |
|                         | Setting N set count     | Application                             |
| Collating function      | Activated (application) |   |
| <b>Paper Path</b>       | Paper Sending Direction | Default                                 |
|                         | Paper Size Setting      | Default                                 |
|                         | Paper Feeding           | Tray 2                                  |
|                         | Paper Exit              | Standard Exit Tray                      |
|                         | Output Orientation      | Default (face down)                     |
|                         | Duplexing Unit (Yes/No) | Yes                                     |
| <b>Paper</b>            | Paper Manufacturer      | HP                                      |
|                         | Paper Weight            | 20lb                                    |
|                         | Paper Size              | Letter A4                               |
|                         | Paper type/name         | HP Multipurpose Ultra White / HP Office |

| Summary Report: Letter |                     |                |            |
|------------------------|---------------------|----------------|------------|
| Office Category        | Test for B&W Device | FSOT (seconds) | ESAT (ipm) |
| <b>B&amp;W</b>         | Simplex             | 15.1           | 27.3       |
|                        | Duplex              | 22.1           | 16.1       |

Notes  
 1) All printing device and driver settings were default mode.  
 2) For the B/W results, the print driver was set to "print in B/W".  
 3) For more information see <http://www.hp.com/go/printerclaims>.  
 4) Port monitor not configured to follow device if the IP address changes.

| Detailed Report: LETTER                            |                        |             |                    |                       |                           |            |
|--|------------------------|-------------|--------------------|-----------------------|---------------------------|------------|
|  | Office Category Test   | FSOT (secs) | EFTP (ipm)         |                       |                           | ESAT (ipm) |
|  |                        |             | 1 set only (1 set) | 1 set + 30sec (1 set) | 1 set + 30sec (# of sets) |            |
| <b>Color Mode</b>                                  | Simplex - Adobe Reader |             | ( 1 set )          |                       |                           |            |
|  | Simplex - Word         |             | ( 1 set )          |                       |                           |            |
|  | Simplex - Excel        |             | ( 1 set )          |                       |                           |            |
|  | Simplex - Average      |             |                    |                       |                           |            |
|  | Duplex - Adobe Reader  | N/A         | N/A                | N/A                   |                           | N/A        |
|  | Duplex - Word          | N/A         | N/A                | N/A                   |                           | N/A        |
|  | Duplex - Excel         | N/A         | N/A                | N/A                   |                           | N/A        |
|  | Duplex - Average       | N/A         | N/A                | N/A                   |                           | N/A        |
| <b>B&amp;W mode</b><br>(optional for color device) | Simplex - Adobe Reader | 16.16       | ( 1 set )          | ( 5 sets )            | ( 30 sets )               | 27.28      |
|  | Simplex - Word         | 14.59       | ( 1 set )          | ( 5 sets )            |                           | 27.30      |
|  | Simplex - Excel        | 14.33       | ( 1 set )          | ( 5 sets )            |                           | 27.32      |
|  | Simplex - Average      | 15.1        |                    |                       | 26.6                      | 27.3       |
|  | Duplex - Adobe Reader  | 23.10       | ( 1 set )          | ( 4 sets )            |                           | 16.16      |
|  | Duplex - Word          | 21.53       | ( 1 set )          | ( 4 sets )            |                           | 16.18      |
|  | Duplex - Excel         | 21.53       | ( 1 set )          | ( 4 sets )            |                           | 16.16      |
|  | Duplex - Average       | 22.1        | 10.8               | 14.3                  |                           | 16.1       |

Notes  
 1) All printing device and driver settings were default mode.  
 2) For the B/W results, the print driver was set to "print in B/W".  
 3) For more information see <http://www.hp.com/go/printerclaims>.  
 4) Port monitor not configured to follow device if the IP address changes.

| Test System Parameters  |   |
|-------------------------|---|
| Item                    | Value   |
| Computer                | HP Compaq Elite 8300 Small Form Factor          |
| Processor               | Intel Core i7 -3770, 3.4 GHz                    |
| System Chip Set         | Intel C216 Chipset Family SMBus Host Controller |
| System Board            | system devices, default system BIOS             |
| System Memory           | 4 GB  |
| Hard Drive Subsystem    | Standard disk drive (Seagate)                   |
| Video Subsystem         | AMD Radeon HD 6350                              |
| Optical Drive           | HP DVD A DH16aCSHR ATA                          |
| I/O Subsystem           | Builtin   |
| USB Subsystem           | USB 2.0/3.0                                     |
| TCP/IP                  |   |
| Operating System        | Windows 7 64 Bit                                |
| Printing Applications   | Microsoft Office 2010                           |
| Microsoft Office        | Office 2010                                     |
| Adobe Reader            | 10  |
| Test files and location | Office category files, hard drive               |

**ISO/IEC 24734 Printing Productivity Report: Office Category**

**Full Detailed Test Report - A4**

Hewlett-Packard LaserJet Pro M1536DNF MFP

| Printing device and settings |   |
|------------------------------|---|
| Test Start Date and Time     | 1/5/2011 9:24                             |
| Tester                       | MC  |
| Machine name/model           | Hewlett-Packard LaserJet Pro M1536DNF MFP |
| Colour or B&W                | B&W                                       |
| FW Version                   | 20100419                                  |
| Temperature and Humidity     | 74 degF / 23 degC 11.92 %rH               |
| Voltage                      | 110V                                      |
| Test End Date and Time       | 2/25/2016 3:02                            |

| Item                    | Value                   |   |
|-------------------------|-------------------------|---|
| <b>Mode and Setting</b> | Driver Version          | 61.101.9.7062                           |
|                         | Media/Quality Setting   | Default / Default                       |
|                         | Simplex B&W Settings    | Default                                 |
|                         | Duplex B&W Settings     | N/A                                     |
|                         | Setting N set count     | Application                             |
| Collating function      | Activated (application) |   |
| <b>Paper Path</b>       | Paper Sending Direction | Default                                 |
|                         | Paper Size Setting      | Default                                 |
|                         | Paper Feeding           | Tray 2                                  |
|                         | Paper Exit              | Standard Exit Tray                      |
|                         | Output Orientation      | Default (face down)                     |
|                         | Duplexing Unit (Yes/No) | Yes                                     |
| <b>Paper</b>            | Paper Manufacturer      | HP                                      |
|                         | Paper Weight            | 20lb                                    |
|                         | Paper Size              | Letter A4                               |
|                         | Paper type/name         | HP Multipurpose Ultra White / HP Office |

| Summary Report: A4 |                     |                |            |
|--------------------|---------------------|----------------|------------|
| Office Category    | Test for B&W Device | FSOT (seconds) | ESAT (ipm) |
| <b>B&amp;W</b>     | Simplex             | 15.4           | 25.8       |
|                    | Duplex              | 22.4           | 15.6       |

Notes  
 1) All printing device and driver settings were default mode.  
 2) For the B/W results, the print driver was set to "print in B/W".  
 3) For more information see <http://www.hp.com/go/printerclaims>.  
 4) Port monitor not configured to follow device if the IP address changes.

Detailed Report: A4

|  | Office Category Test   | FSOT (secs) | EFTP (ipm)         |                       |                           | ESAT (ipm) |
|--|------------------------|-------------|--------------------|-----------------------|---------------------------|------------|
|  |                        |             | 1 set only (1 set) | 1 set + 30sec (1 set) | 1 set + 30sec (# of sets) |            |
| <b>Colour Mode</b>                                 | Simplex - Adobe Reader |             | ( 1 set )          |                       |                           |            |
|  | Simplex - Word         |             | ( 1 set )          |                       |                           |            |
|  | Simplex - Excel        |             | ( 1 set )          |                       |                           |            |
|  | Simplex - Average      |             |                    |                       |                           |            |
|  | Duplex - Adobe Reader  | N/A         | N/A                | N/A                   |                           | N/A        |
|  | Duplex - Word          | N/A         | N/A                | N/A                   |                           | N/A        |
|  | Duplex - Excel         | N/A         | N/A                | N/A                   |                           | N/A        |
|  | Duplex - Average       | N/A         | N/A                | N/A                   |                           | N/A        |
| <b>B&amp;W mode</b><br>(optional for color device) | Simplex - Adobe Reader | 16.32       | 14.70<br>( 1 set ) | 22.18<br>( 5 sets )   | 25.21<br>( 29 sets )      | 25.83      |
|  | Simplex - Word         | 15.03       | 15.96<br>( 1 set ) | 22.45<br>( 5 sets )   |                           | 25.77      |
|  | Simplex - Excel        | 14.74       | 16.27<br>( 1 set ) | 23.13<br>( 5 sets )   |                           | 25.89      |
|  | Simplex - Average      | 15.4        | 15.6               | 22.5                  | 25.2                      | 25.8       |
|  | Duplex - Adobe Reader  | 23.07       | 10.40<br>( 1 set ) | 13.82<br>( 4 sets )   |                           | 15.70      |
|  | Duplex - Word          | 21.98       | 10.90<br>( 1 set ) | 13.92<br>( 4 sets )   |                           | 15.68      |
|  | Duplex - Excel         | 21.94       | 10.92<br>( 1 set ) | 14.12<br>( 4 sets )   |                           | 15.68      |
|  | Duplex - Average       | 22.4        | 10.7               | 13.9                  |                           | 15.6       |

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| USB Subsystem           | USB 2.0/3.0                                     |
| TCP/IP                  |   |
| Operating System        | Windows 7 64 Bit                                |
| Printing Applications   | Microsoft Office 2010                           |
| Microsoft Office        | Office 2010                                     |
| Adobe Reader            | 10  |
| Test files and location | Office category files, hard drive               |